



Indiana  
Department of Education

# Process Standards for Mathematics

Indiana's Academic  
Standards

Fourth Grade: Thoughtful  
Distribution

1. Become familiar with the Process Standards for Mathematics.
2. Work the task.
3. View the video.
4. Debrief the video.

# Become familiar with the Process Standards

- Read the brief descriptions of the 8 Process Standards for Mathematics.
- Underline key words for each standard.
- In small groups, share your thoughts or questions about each Process Standard. Be prepared to share your understanding of the Process Standards for Mathematics with the rest of the participants.

## Work the task

Joseph can store 8 baseball cards in each page of his card binder. How many pages will Joseph completely fill if he places all 142 of his cards in his binder?

# IAS-M Connection

## 4.AT.1

Solve real-world problems involving addition and subtraction of multi-digit whole numbers (e.g., by using drawings and equations with a symbol for the unknown number to represent the problem).

# Expectations for Viewing the Video

- Assume there are many things you do not know about the classroom and the students.
- Assume good intent and expertise on part of the teacher.
- Keep focused on how the students are engaging in the task.

# View the Video



During the video, when you see the light bulb appear, it is an indication you should pay special attention to the students' and teacher's actions.

Record what you see happening on the Video Analysis Matrix.

# Debrief the Video

- For each row on your Video Analysis Recording Sheet, discuss what you noticed while you watched the video in your small group.
- Then determine which Process Standard you believe was best exhibited in the classroom during this time period.

# Additional Questions

1. How does the task chosen by the teacher foster the Process Standards?
2. How does the teacher facilitate (prompt) the Process Standards in this video?
3. What type of classroom environment supports the Process Standards?